



COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

SIXTH FLOOR
PRUDENTIAL BUILDING
195 NORTH TERRACE
ADELAIDE

BUILDING APPROVALS

SOUTH AUSTRALIA

MARCH 1964

SCOPE This bulletin shows the number of "New Houses and Flats" and the value of "New Houses and Flats", "Other New Buildings", and "Additions and Alterations", approved in South Australia from February 1962 to March 1964 and gives details of flats and of the types of houses approved during the same period.

The statistics relate only to buildings as distinct from the construction of roads, bridges, railways, earth works, water storage, etc., and have been compiled from (a) particulars listed on returns from local government authorities of permits issued to private persons and organizations for building in areas subject to building control, (b) particulars, furnished on the same returns, of building known to be projected or to have started in areas beyond such building control but within the general jurisdiction of such authorities, and (c) details of contracts let or expenditure authorized by governmental and semi-governmental authorities shown on returns furnished by these authorities.

DEFINITIONS **VALUE:** The values shown represent the estimated cost when completed (excluding cost of land) of new buildings and of additions and alterations to existing buildings.

NEW BUILDINGS: Additions of £5,000 and over to existing buildings (other than houses) are regarded as "new" buildings and are included in the figures shown in Table 2.

PRIVATE and GOVERNMENT: Building is classified as "Private" or "Government" according to ownership, e.g. the majority of homes built by Government housing authorities are classified as "Government" even though some are intended for sale on completion.

COMMENT For purposes of comparison it should be borne in mind that the volume of building approvals is affected from month to month by the incidence of large projects such as blocks of flats, hospitals, multi-storey office buildings, etc., and also by the administrative arrangements of local government and semi-government authorities.

During the three months ended March 1964 the number of houses and flats approved for private owners totalled 2,397, an increase of 161 from the figure of 2,236 for the previous three months and 492 more than the 1,905 approved during the three months ended March 1963; value of other new buildings approved (Private and Government combined) was £9,613,000, which was £1,142,000 less than for the previous three months but £4,153,000 more than for the three months ended March 1963; value of all building approved was £20,319,000, a decrease of £1,199,000 on the figure for the previous three months but £6,242,000 more than for the three months ended March 1963.

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TABLE 1 - NEW HOUSES AND FLATS APPROVED : NUMBER AND VALUE, SOUTH AUSTRALIA

| Month | Metropolitan Area | | | | Whole State | | | |
|-----------------|-------------------|-------|-------|---------------------|-------------|-------|-------|---------------------|
| | Number (a) | | | Total Value (£'000) | Number (a) | | | Total Value (£'000) |
| | Private | Govt. | Total | | Private | Govt. | Total | |
| 1962 - February | 320 | - | 320 | 1,125 | 672 | 3 | 675 | 2,233 |
| March | 322 | - | 322 | 1,219 | 624 | 5 | 629 | 2,259 |
| April | 350 | - | 350 | 1,243 | 567 | 103 | 670 | 2,337 |
| May | 375 | 608 | 983 | 2,465 | 670 | 630 | 1,300 | 3,485 |
| June | 342 | - | 342 | 1,284 | 586 | 16 | 602 | 2,205 |
| July | 415 | - | 415 | 1,377 | 740 | 23 | 763 | 2,498 |
| August | 417 | 10 | 427 | 1,590 | 759 | 43 | 802 | 2,833 |
| September | 338 | 950 | 1,288 | 3,327 | 660 | 1,579 | 2,239 | 5,327 |
| October | 345 | - | 345 | 1,255 | 620 | 75 | 695 | 2,407 |
| November | 358 | - | 358 | 1,336 | 677 | 13 | 690 | 2,434 |
| December | 197 | - | 197 | 725 | 439 | 8 | 447 | 1,560 |
| 1963 - January | 363 | - | 363 | 1,204 | 556 | 5 | 561 | 1,843 |
| February | 306 | - | 306 | 1,130 | 642 | 39 | 681 | 2,331 |
| March | 387 | - | 387 | 1,396 | 707 | 23 | 730 | 2,552 |
| April | 402 | 8 | 410 | 1,433 | 718 | 23 | 741 | 2,541 |
| May | 478 | - | 478 | 1,631 | 962 | 7 | 969 | 3,232 |
| June | 409 | 559 | 968 | 2,916 | 745 | 713 | 1,458 | 4,477 |
| July | 432 | - | 432 | 1,540 | 882 | 808 | 1,690 | 5,764 |
| August | 477 | - | 477 | 1,751 | 788 | 11 | 799 | 2,854 |
| September | 461 | - | 461 | 1,641 | 790 | 208 | 998 | 3,455 |
| October | 450 | - | 450 | 1,668 | 802 | 33 | 835 | 2,947 |
| November | 347 | 1 | 348 | 1,249 | 798 | 10 | 808 | 2,766 |
| December | 269 | 25 | 294 | 1,061 | 636 | 289 | 925 | 3,098 |
| 1964 - January | 375 | 22 | 397 | 1,295 | 629 | 66 | 695 | 2,276 |
| February | 439 | - | 439 | 1,566 | 727 | 8 | 735 | 2,627 |
| March | 548 | 100 | 648 | 2,167 | 1,041 | 105 | 1,146 | 3,915 |

(a) Individual dwelling units - houses and flats combined.

TABLE 2 - OTHER NEW BUILDINGS APPROVED : VALUE, SOUTH AUSTRALIA

| Month | Metropolitan | | | Whole State | | |
|-----------------|--------------|------------|-------|-------------|------------|-------|
| | Private | Government | Total | Private | Government | Total |
| | £'000 | £'000 | £'000 | £'000 | £'000 | £'000 |
| 1962 - February | 499 | 427 | 926 | 2,741 | 691 | 3,432 |
| March | 792 | 232 | 1,024 | 971 | 290 | 1,261 |
| April | 934 | 331 | 1,265 | 1,070 | 426 | 1,496 |
| May | 1,200 | 100 | 1,300 | 1,816 | 280 | 2,096 |
| June | 413 | 340 | 753 | 626 | 788 | 1,414 |
| July | 691 | 1,991 | 2,682 | 1,214 | 2,238 | 3,452 |
| August | 563 | 134 | 697 | 810 | 466 | 1,276 |
| September | 597 | 1,102 | 1,699 | 829 | 1,531 | 2,360 |
| October | 1,270 | 1,840 | 3,110 | 1,706 | 2,150 | 3,856 |
| November | 409 | 341 | 750 | 564 | 752 | 1,316 |
| December | 602 | 110 | 712 | 794 | 338 | 1,132 |
| 1963 - January | 1,157 | 68 | 1,225 | 1,566 | 279 | 1,845 |
| February | 1,018 | 96 | 1,114 | 1,132 | 249 | 1,381 |
| March | 1,130 | 373 | 1,503 | 1,773 | 461 | 2,234 |
| April | 406 | 564 | 970 | 571 | 927 | 1,498 |
| May | 520 | 148 | 668 | 650 | 613 | 1,263 |
| June | 1,504 | 46 | 1,550 | 1,763 | 151 | 1,914 |
| July | 489 | 469 | 958 | 969 | 759 | 1,728 |
| August | 587 | 120 | 707 | 660 | 243 | 903 |
| September | 1,023 | 182 | 1,205 | 1,622 | 810 | 2,432 |
| October | 760 | 2,788 | 3,548 | 921 | 3,385 | 4,306 |
| November | 2,616 | 326 | 2,942 | 2,787 | 770 | 3,557 |
| December | 984 | 1,223 | 2,207 | 1,424 | 1,468 | 2,892 |
| 1964 - January | 746 | 2,395 | 3,141 | 1,373 | 3,504 | 4,877 |
| February | 196 | 468 | 664 | 707 | 945 | 1,652 |
| March | 816 | 301 | 1,117 | 2,290 | 794 | 3,084 |

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TABLE 3 - ALTERATIONS AND ADDITIONS APPROVED : VALUE, SOUTH AUSTRALIA

| Month | Metropolitan Area | | | Whole State | | |
|-----------------|-------------------|------------|-------|-------------|------------|-------|
| | Private | Government | Total | Private | Government | Total |
| | £'000 | £'000 | £'000 | £'000 | £'000 | £'000 |
| 1962 - February | 247 | 57 | 304 | 376 | 76 | 452 |
| March | 456 | 40 | 496 | 586 | 80 | 666 |
| April | 348 | 32 | 380 | 485 | 63 | 548 |
| May | 686 | 71 | 757 | 838 | 122 | 960 |
| June | 341 | 42 | 383 | 493 | 59 | 552 |
| July | 370 | 49 | 419 | 507 | 66 | 573 |
| August | 347 | 20 | 367 | 502 | 36 | 538 |
| September | 475 | 20 | 495 | 632 | 53 | 685 |
| October | 362 | 56 | 418 | 499 | 98 | 597 |
| November | 356 | 34 | 390 | 502 | 106 | 608 |
| December | 255 | 34 | 289 | 365 | 60 | 425 |
| 1963 - January | 313 | 9 | 322 | 440 | 49 | 489 |
| February | 335 | 35 | 370 | 473 | 104 | 577 |
| March | 467 | 120 | 587 | 659 | 166 | 825 |
| April | 351 | 28 | 379 | 477 | 73 | 550 |
| May | 383 | 42 | 425 | 534 | 126 | 660 |
| June | 368 | 42 | 410 | 566 | 85 | 651 |
| July | 411 | 61 | 472 | 577 | 95 | 672 |
| August | 318 | 65 | 383 | 549 | 107 | 656 |
| September | 422 | 48 | 470 | 539 | 81 | 620 |
| October | 353 | 94 | 447 | 568 | 154 | 722 |
| November | 362 | 44 | 406 | 522 | 90 | 612 |
| December | 327 | 57 | 384 | 508 | 110 | 618 |
| 1964 - January | 323 | 58 | 381 | 469 | 114 | 583 |
| February | 333 | 34 | 367 | 510 | 71 | 581 |
| March | 458 | 20 | 478 | 664 | 60 | 724 |

TABLE 4 - ALL BUILDING APPROVED : VALUE, SOUTH AUSTRALIA

| Month | Metropolitan Area | | | Whole State | | |
|-----------------|-------------------|------------|-------|-------------|------------|-------|
| | Private | Government | Total | Private | Government | Total |
| | £'000 | £'000 | £'000 | £'000 | £'000 | £'000 |
| 1962 - February | 1,871 | 484 | 2,355 | 5,340 | 777 | 6,117 |
| March | 2,467 | 272 | 2,739 | 3,802 | 384 | 4,186 |
| April | 2,525 | 363 | 2,888 | 3,504 | 877 | 4,381 |
| May | 3,176 | 1,346 | 4,522 | 4,912 | 1,629 | 6,541 |
| June | 2,038 | 382 | 2,420 | 3,271 | 900 | 4,171 |
| July | 2,438 | 2,040 | 4,478 | 4,146 | 2,377 | 6,523 |
| August | 2,418 | 236 | 2,654 | 3,968 | 679 | 4,647 |
| September | 2,258 | 3,263 | 5,521 | 3,676 | 4,696 | 8,372 |
| October | 2,887 | 1,896 | 4,783 | 4,390 | 2,470 | 6,860 |
| November | 2,101 | 375 | 2,476 | 3,458 | 900 | 4,358 |
| December | 1,582 | 144 | 1,726 | 2,671 | 446 | 3,117 |
| 1963 - January | 2,674 | 77 | 2,751 | 3,834 | 343 | 4,177 |
| February | 2,483 | 131 | 2,614 | 3,806 | 483 | 4,289 |
| March | 2,993 | 493 | 3,486 | 4,919 | 692 | 5,611 |
| April | 2,180 | 602 | 2,782 | 3,500 | 1,089 | 4,589 |
| May | 2,534 | 190 | 2,724 | 4,394 | 761 | 5,155 |
| June | 3,294 | 1,582 | 4,876 | 4,891 | 2,151 | 7,042 |
| July | 2,440 | 530 | 2,970 | 4,545 | 3,619 | 8,164 |
| August | 2,656 | 185 | 2,841 | 4,021 | 392 | 4,413 |
| September | 3,086 | 230 | 3,316 | 4,906 | 1,601 | 6,507 |
| October | 2,781 | 2,882 | 5,663 | 4,311 | 3,664 | 7,975 |
| November | 4,224 | 373 | 4,597 | 6,044 | 891 | 6,935 |
| December | 2,335 | 1,317 | 3,652 | 4,178 | 2,430 | 6,608 |
| 1964 - January | 2,328 | 2,489 | 4,817 | 3,926 | 3,810 | 7,736 |
| February | 2,095 | 502 | 2,597 | 3,819 | 1,041 | 4,860 |
| March | 3,216 | 546 | 3,762 | 6,623 | 1,100 | 7,723 |

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TABLE 5 - HOUSES (TYPE) AND FLATS APPROVED : METROPOLITAN AREA, ADELAIDE

| Month | Houses | | | | | | | | Flats (c) | |
|-----------------|-----------------------------------|-------|---------------------|-------|--------------|-------|--------|-------|------------|-------|
| | Maisonettes and Attached Cottages | | Other Houses (a) | | | | | | | |
| | | | Brick and Stone (b) | | Fibro-Cement | | Other | | | |
| | Number (d) | £'000 | Number | £'000 | Number | £'000 | Number | £'000 | Number (d) | £'000 |
| 1962 - February | - | - | 287 | 1,055 | 3 | 8 | - | - | 30 | 62 |
| March | - | - | 296 | 1,158 | 2 | 6 | - | - | 24 | 55 |
| April | 6 | 18 | 307 | 1,149 | 2 | 4 | - | - | 35 | 72 |
| May | 620 | 1,200 | 318 | 1,166 | 2 | 6 | - | - | 43 | 93 |
| June | 22 | 65 | 291 | 1,146 | 3 | 7 | - | - | 26 | 66 |
| July | 43 | 86 | 288 | 1,088 | 2 | 6 | - | - | 82 | 197 |
| August | 6 | 14 | 351 | 1,353 | 2 | 6 | - | - | 68 | 217 |
| September | - | - | 1,228 | 3,198 | 1 | 3 | - | - | 59 | 126 |
| October | 2 | 7 | 287 | 1,106 | 1 | 3 | - | - | 55 | 139 |
| November | - | - | 317 | 1,221 | 1 | 3 | - | - | 40 | 112 |
| December | 6 | 16 | 151 | 618 | - | - | - | - | 40 | 91 |
| 1963 - January | - | - | 284 | 1,042 | 1 | 3 | - | - | 78 | 159 |
| February | - | - | 278 | 1,064 | 1 | 4 | - | - | 27 | 62 |
| March | 6 | 13 | 318 | 1,250 | - | - | - | - | 63 | 133 |
| April | 6 | 21 | 318 | 1,244 | 1 | 4 | - | - | 85 | 164 |
| May | 39 | 30 | 380 | 1,477 | 1 | 3 | - | - | 58 | 121 |
| June | 12 | 28 | 885 | 2,763 | - | - | - | - | 71 | 125 |
| July | 14 | 30 | 341 | 1,340 | 1 | 2 | - | - | 76 | 168 |
| August | - | - | 367 | 1,467 | 1 | 3 | - | - | 109 | 281 |
| September | - | - | 339 | 1,404 | - | - | - | - | 122 | 237 |
| October | 2 | 9 | 363 | 1,437 | 2 | 4 | - | - | 83 | 218 |
| November | 2 | 6 | 244 | 1,035 | 1 | 3 | - | - | 101 | 205 |
| December | 27 | 42 | 207 | 871 | - | - | - | - | 60 | 148 |
| 1964 - January | 25 | 44 | 228 | 893 | 2 | 5 | - | - | 142 | 353 |
| February | - | - | 317 | 1,267 | 1 | 2 | - | - | 121 | 297 |
| March | 2 | 5 | 349 | 1,449 | 101 | 227 | - | - | 196 | 486 |

(a) According to material of outer walls. (b) Includes also Brick Veneer, Concrete, and Composite. (c) Includes "Home Units".

(d) Dwelling units.

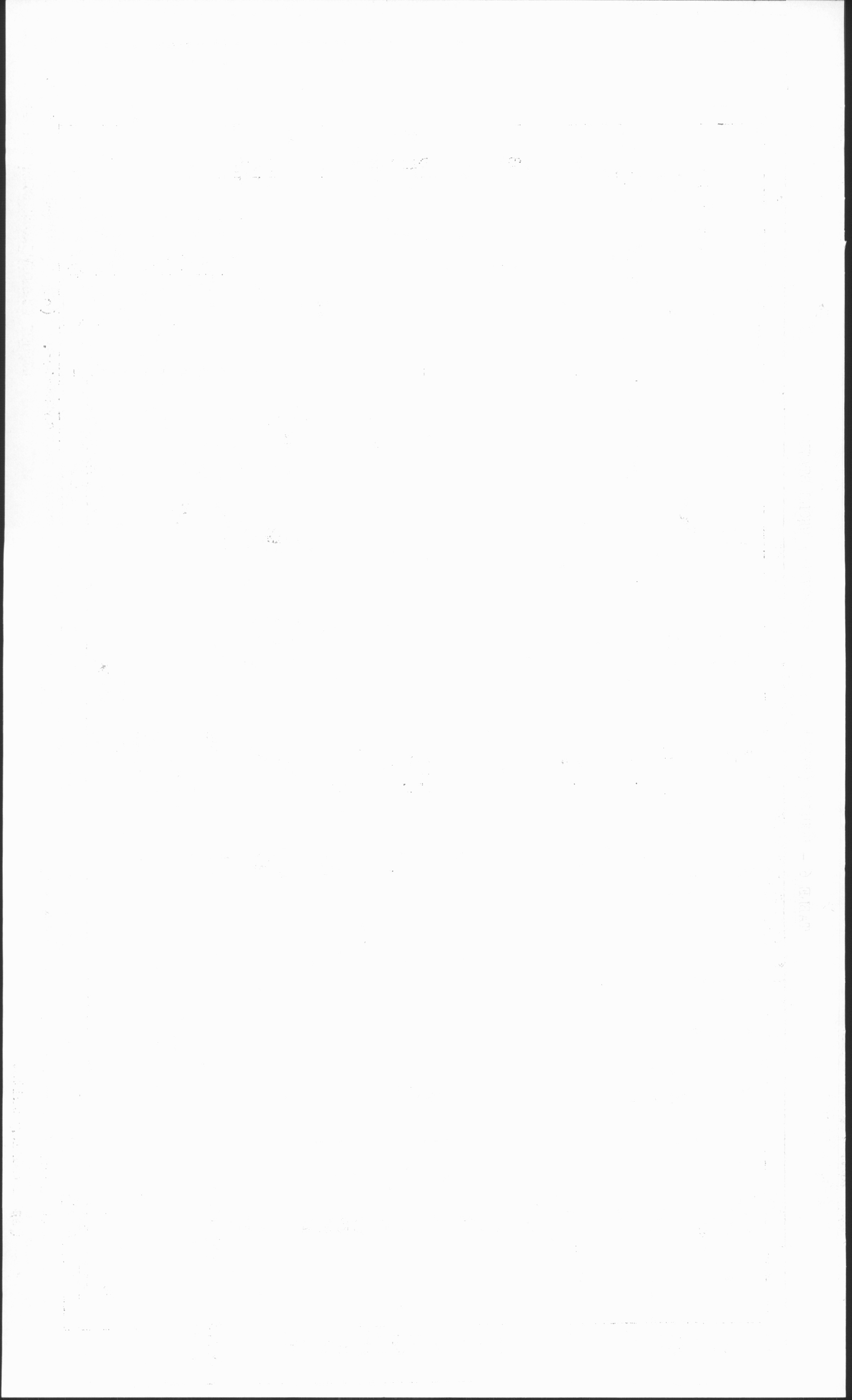


TABLE 6 - HOUSES (TYPE) AND FLATS APPROVED : WHOLE STATE

| Month | Houses | | | | | | | | Flats (d) | |
|-----------------|-----------------------------------|-------|---------------------|-------|--------------|-------|-----------|-------|------------|-------|
| | Maisonettes and Attached Cottages | | Other Houses (a) | | | | | | | |
| | | | Brick and Stone (b) | | Fibro-Cement | | Other (c) | | | |
| | Number (e) | £'000 | Number | £'000 | Number | £'000 | Number | £'000 | Number (e) | £'000 |
| 1962 - February | - | - | 623 | 2,116 | 19 | 51 | 3 | 4 | 30 | 62 |
| March | - | - | 570 | 2,115 | 30 | 78 | 5 | 11 | 24 | 55 |
| April | 56 | 118 | 514 | 1,835 | 19 | 47 | 1 | 1 | 80 | 336 |
| May | 620 | 1,200 | 617 | 2,145 | 15 | 39 | 1 | 2 | 47 | 99 |
| June | 24 | 68 | 522 | 1,980 | 28 | 85 | 2 | 6 | 26 | 66 |
| July | 52 | 106 | 605 | 2,141 | 20 | 48 | 4 | 6 | 82 | 197 |
| August | 12 | 24 | 696 | 2,526 | 21 | 53 | 5 | 13 | 68 | 217 |
| September | - | - | 2,139 | 5,123 | 22 | 49 | 3 | 8 | 75 | 147 |
| October | 20 | 43 | 580 | 2,109 | 35 | 98 | 5 | 18 | 55 | 139 |
| November | - | - | 627 | 2,265 | 19 | 47 | 4 | 10 | 40 | 112 |
| December | 6 | 16 | 381 | 1,405 | 13 | 30 | 3 | 9 | 44 | 100 |
| 1963 - January | - | - | 451 | 1,611 | 25 | 53 | 7 | 20 | 78 | 159 |
| February | - | - | 606 | 2,131 | 46 | 134 | 2 | 4 | 27 | 62 |
| March | 6 | 13 | 628 | 2,306 | 27 | 71 | 3 | 9 | 66 | 153 |
| April | 6 | 21 | 605 | 2,215 | 20 | 48 | - | - | 110 | 257 |
| May | 41 | 34 | 834 | 2,997 | 22 | 55 | 1 | 1 | 71 | 145 |
| June | 12 | 28 | 1,333 | 4,242 | 23 | 49 | 5 | 14 | 85 | 144 |
| July | 14 | 30 | 1,572 | 5,497 | 23 | 59 | 1 | 4 | 80 | 174 |
| August | - | - | 655 | 2,499 | 28 | 66 | 1 | 3 | 115 | 286 |
| September | - | - | 829 | 3,126 | 39 | 75 | 7 | 16 | 123 | 238 |
| October | 2 | 9 | 710 | 2,618 | 39 | 100 | 1 | 2 | 83 | 218 |
| November | 2 | 6 | 666 | 2,473 | 34 | 76 | 1 | 1 | 105 | 210 |
| December | 27 | 42 | 794 | 2,814 | 30 | 66 | 4 | 9 | 70 | 167 |
| 1964 - January | 25 | 44 | 466 | 1,691 | 62 | 188 | - | - | 142 | 353 |
| February | - | - | 587 | 2,264 | 23 | 56 | - | - | 125 | 307 |
| March | 2 | 5 | 815 | 3,116 | 123 | 290 | 3 | 110 | 203 | 494 |

(a) According to material of outer walls. (b) Includes also Brick Veneer, Concrete, and Composite. (c) Mainly weatherboard.

(d) Includes "Home Units". (e) Dwelling units.

Commonwealth Bureau of Census and Statistics,
ADELAIDE, S.A.

24th April 1964.

D.L.J. AITCHISON
DEPUTY COMMONWEALTH STATISTICIAN

[illegible]

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Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (A), 10⁷ cells/ml (B), 10⁸ cells/ml (C), and 10⁹ cells/ml (D). The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (A), 10⁷ cells/ml (B), 10⁸ cells/ml (C), and 10⁹ cells/ml (D). The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (A), 10⁷ cells/ml (B), 10⁸ cells/ml (C), and 10⁹ cells/ml (D). The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (A), 10⁷ cells/ml (B), 10⁸ cells/ml (C), and 10⁹ cells/ml (D).

 1 *Phragmites australis* (Common reed)
 2 *Scirpus americanus* (Common spikerush)
 3 *Eleocharis acicularis* (Spike spikerush)
 4 *Sagittaria arifolia* (Arrowhead)
 5 *Sparganium angustifolium* (Najas)
 6 *Najas* (Najas)

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